

TAN Eng Tsze



Principal Lecturer & Consultant, Digital Strategy & Leadership Practice

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Profile

Tan Eng Tsze is a practising enterprise architect consultant and lecturer at NUS-ISS. He conducts Enterprise Architecture certification short courses and for a Masters degree programme at NUS. He also provides enterprise architecture consulting for public and private sector companies. He has provided EA consulting for defence, healthcare and the Singapore Government's Enterprise Architecture Methodology and Toolkit project. He was also involved in the development of the NICF EA and SOA competency units. Previously, Eng Tsze also consulted for a large government agency using IBM's EA Methodology. Having worked in IBM, BearingPoint and NCS, he has accumulated experiences in Enterprise Architecture, IT architecting, solution architecting and systems integration. He started his IT career many years ago as a software engineer with the Defence Science Organisation, developing stringent mission planning systems for the Singapore Navy and subsequently moved on to research institute KRDL, developing knowledge based systems.

Educational Qualifications/Professional Certifications

- MSc (Comp Sc & Info Sys); NUS, 1999
- BSc (Comp Sc & Info Sys); NUS, 1994
- TOGAF® 9
- TOGAF® 8
- PMP
- COBIT® Foundation
- ITIL® Foundation
- SCEA
- SCJP

- DPBoK Certification for Digital Professional
- SABSA Chartered Security Architect - Foundation Certificate
- Open Group Agile Architecture Practitioner Certification

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Academic and Professional Experience

- Member–Software Engineering Programme, National University of Singapore, Sep 2006 – Present.
- IT Architect, IBM Global Business Services, Feb 2005 – Aug 2006
- Manager, BearingPoint, Jan 2004 – Jan 2005
- Lead IT Architect, NCS, July 1999 – Dec 2004
- Senior Consultant, Kent Ridge Digital Labs, Feb 1997 – June 1999
- Software Engineer, Defence Science Organisation, July 1994 – Jan 1997.

Membership and Professional Activities

- Consultant for Energy Market Authority's Strategic IT Plan, 2013 - 2014
- EA consultant for Singhealth's EA, 2008- 2010
- EA consultant for iDA's Government EA Case Studies, 2010
- EA consultant for MINDEF's Methodology for Business Transformation (iMBT), 2010
- EA consultant for WDA's National Infocomm Competency Framework (NICF) EA and SOA Competency Units, 2008
- EA consultant for iDA's Methodology for Agency Enterprise Architecture (MAGENTA), 2006 -2007
- Presented at the 15th Enterprise Architecture Practitioners Conference, Austin, 2007, topic "Enterprise Architecture Blueprint Development – A Practitioner's Guide"
- EA consultant for a Singapore Ministry EA, 2006
- Member of IEEE since 1994.
- Member of IEEE Computer Society since 1994
- Member of PMI since 2005
- Member of ISACA since 2011

Research Interests

- Leadership
- Strategic Thinking
- IT-Driven Business Transformation
- Business Architecture
- Data Architecture
- Application Architecture
- Technology Architecture
- Solution Architecture
- Service Oriented Architecture

- Application Portfolio Rationalisation

Courses

- SG5015 - Enterprise Architecture
- NICF - Certified Enterprise Architecture Practitioner Course
- NICF - Specialist Diploma in Enterprise Architecture

What I Teach

DIGITAL STRATEGY & LEADERSHIP

Developing Cybersecurity Architecture

DIGITAL STRATEGY & LEADERSHIP

Enterprise Architecture Practitioner Course

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